

IMAGE FILES CONSTRUCTING TOOLS FOR CLUSTER CONFIGURATION

ABSTRACT OF THE DISCLOSURE

The image file constructing tool, in accordance with one embodiment of the invention, provides a method of managing a configuration of at least a group of node. The method includes receiving a set of model configuration files. A data model, defining hardware entities and logical entities for a group of nodes, is partially configured as a function of the received model configuration files. The method also includes generating first node data as a function of the partially configured data model. The method also includes installing a specific environment in a machine having at least partially the configuration of the nodes of the group of nodes. The installed specific environment in the machine is utilized to create an archive object using the first node data. The method also includes completing the configuration of the data model dynamically. Second node data is generated as a function of the complete configured data model. The method further includes installing the specific environment in a group of nodes. The specific environment installed in the group of nodes is utilized to create a deployable object from the archive object and the second node data. The specific environment installed in the group of nodes is also utilized to configure the nodes of the group of nodes by deploying the deployable object.